



Grow Wellington

Working for business success

Building a Clean Tech Centre of Excellence

**Steven Finlay, General Manager (Acting)
Centres of Excellence,
Grow Wellington.**

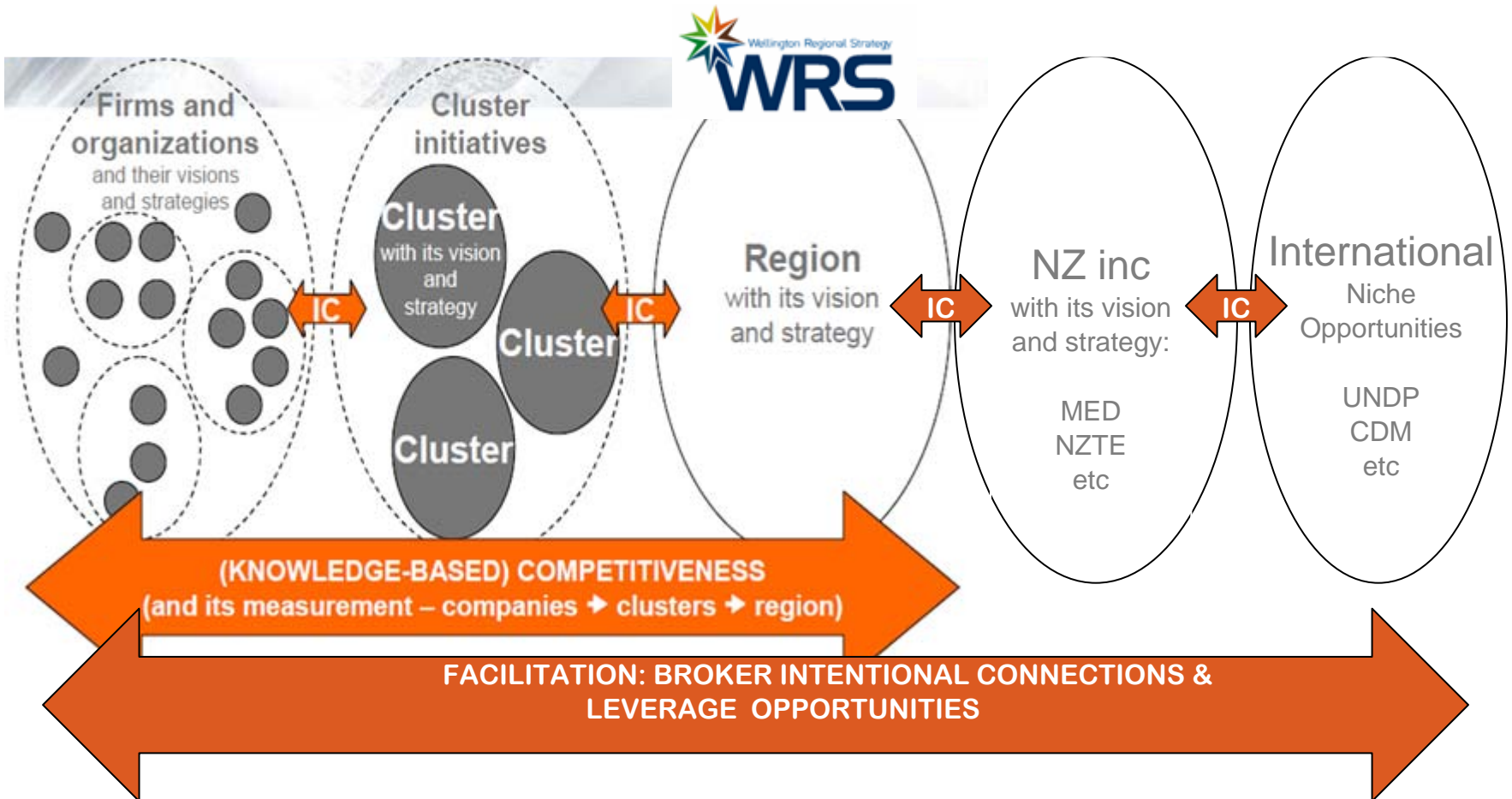
Feb 2010

CONNECT  facilitate

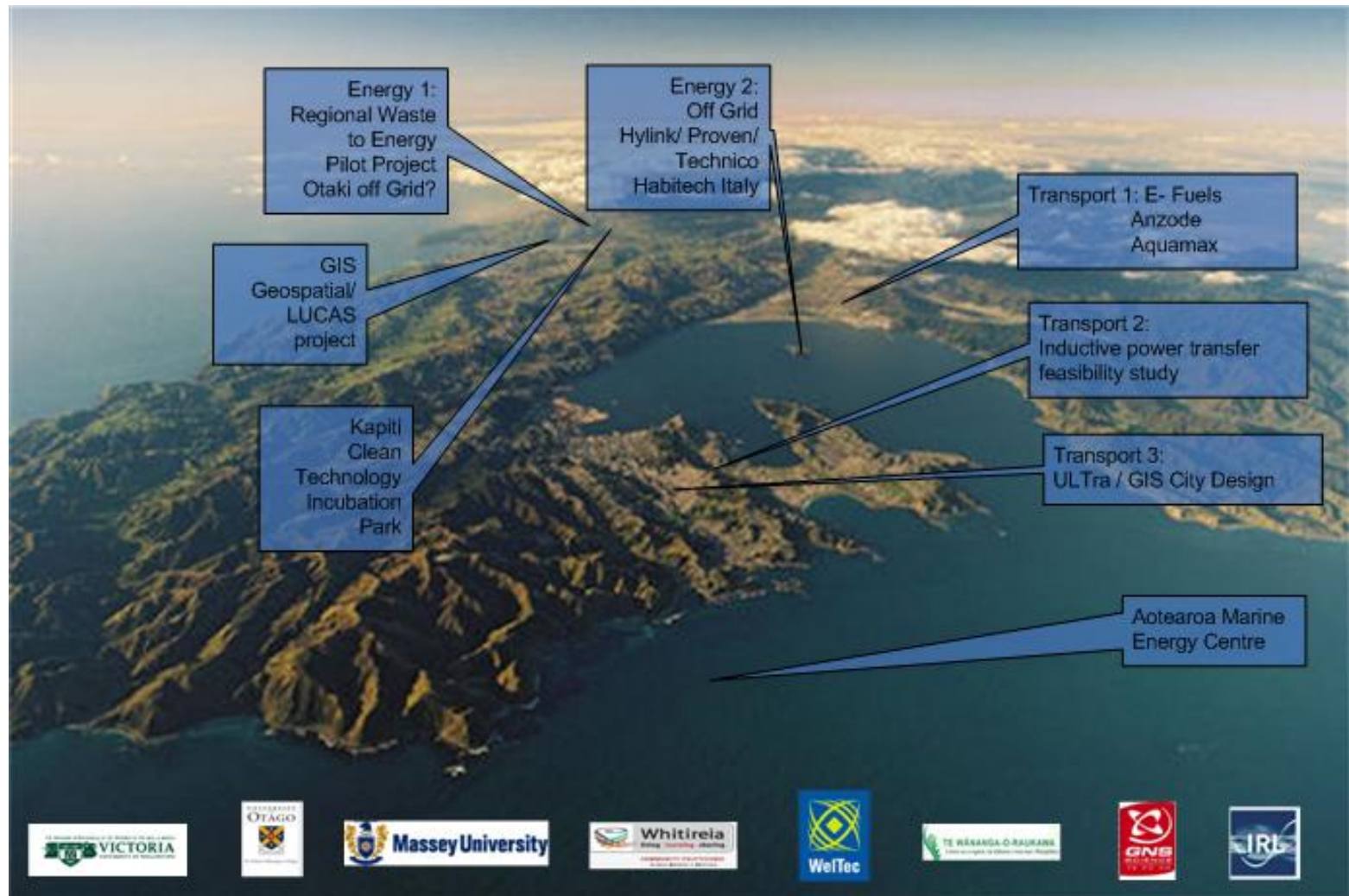
OUR AIM is
to [©]CONNECT
INSPIRE and GROW
WELLINGTON BUSINESS

Centres of Excellence - Regional Clustering, International Niche

Leveraging knowledge-based competitiveness towards brokered international niche opportunities...



The Region's Clean Tech Current Capability



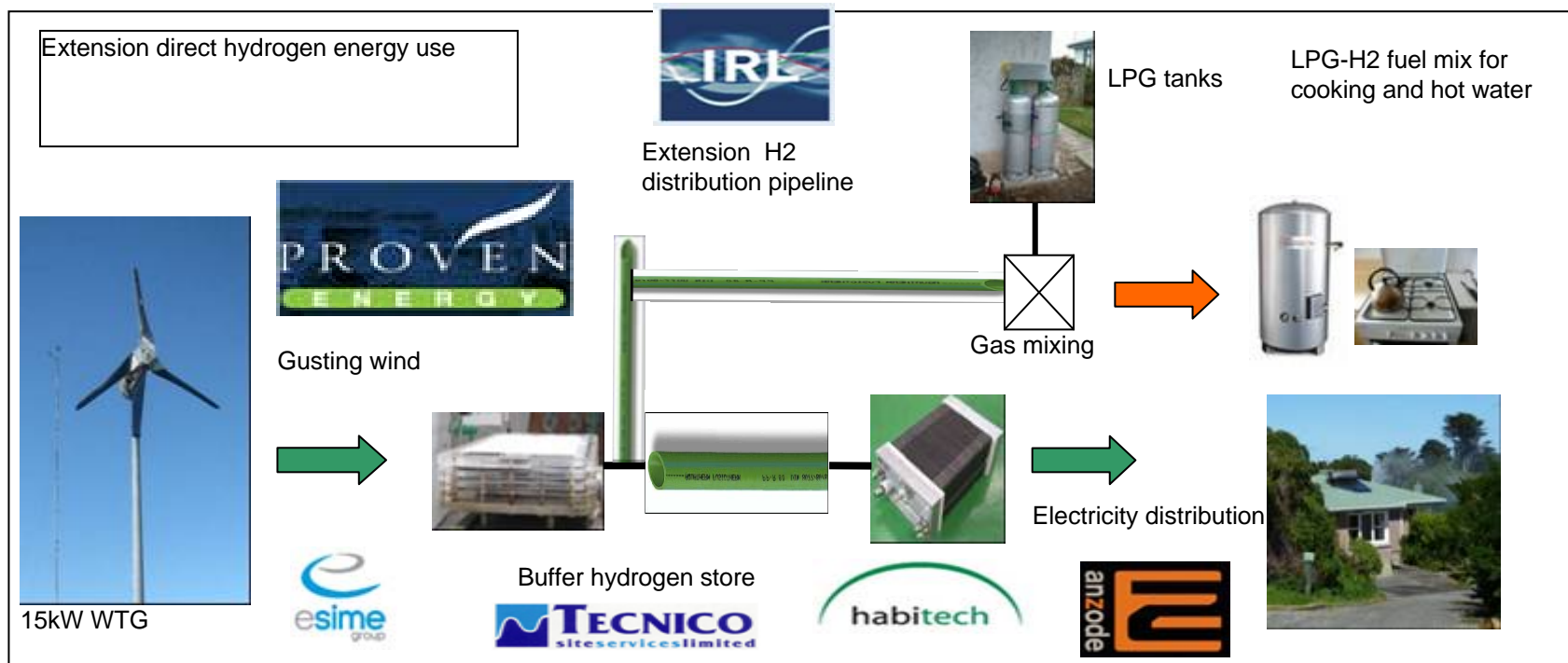
International Opportunities: Focus Areas

| Focus Area | Opportunity |
|------------|--|
| Marine | MOU with EMEC, Potential NZ Syndicate |
| Off Grid | Italy and India Syndicate |
| Smart Grid | Otaki Test Site. Local TLA & Energy Syndicate Pecan St Project, Austin, Texas |
| Transport | EV + Intelligent Transport Systems, Europe |

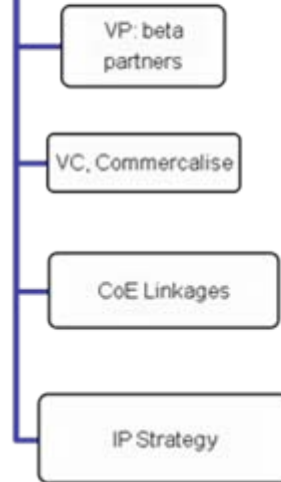


Off Grid 1) Somes Island Demonstrator

Testing Site for mix and match capability



Off Grid 2): Testing ESCO Model, with Tested Technology

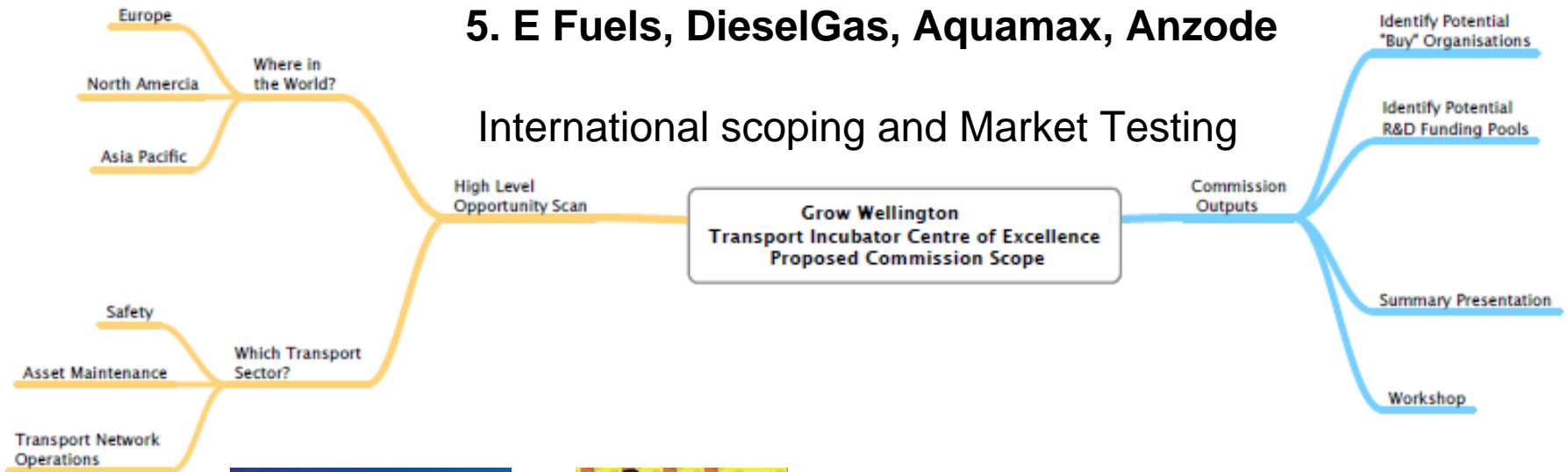


Clean Transport: Niche Activity from Individual Capability



1. IPT study phase 1 and 2 funded
2. Geospatial: City Design/ Fuel Use
3. Hikurangi Tourism Transport Proposal
4. Zero Now – SMS, Astara EV Racing Bike
5. E Fuels, DieselGas, Aquamax, Anzode

International scoping and Market Testing



Accelerating Current Activity 1

Physical Clustering: Clean Technology Centre New Zealand



Underwriting secured mid - Jan 2010

Early incubation sought now, then regional IP audit

Creative HQ tested model

Equipment needs to be assessed from IP audit – support sought

CoE structure to reflect members needs

Clean Technology Centre NZ: Live Potential Collaborations

berl economics

LUCAS
LAND USE AND CARBON ANALYSIS SYSTEM

MĀPITI COAST DISTRICT COUNCIL
The first whānau, the first whānau

HOME TOUR COUNCIL TĀNGATA WHENUA OUR DISTRICT
You are here: Home > Planning > Sustainability

PLANNING Sustainability

MASSEY UNIVERSITY
School of Engineering & Advanced Technology
Centre for Energy Research

Victoria UNIVERSITY OF WELLINGTON
Te Kura Waihangā
SCHOOL OF ARCHITECTURE

Potential KCDC / VUW / Massey / GNS supported Community Level Test sites for innovative building & energy products

GNS SCIENCE
TE PŪ AO

Local Sewage Treatment Plant

KCDC supported Community Level Test sites for micro generation

Clean Technology Centre NZ
Connects to National & International CT CoEs
Incubates CT spinouts & related manufacturing:
Waste, Building, DG, Transport

Grid Site: Potential Local Energy Partnerships

Todd Energy

Electra
Your local, 24/7, covered electricity network company

TECNICO
siteserviceslimited

esime

PROVEN ENERGY

habitech

P
PACIFIC STREET PROJECT

ISIS
INNOVATION

hikurangi

Clean Energy Centre
New Zealand
TRANSFORMATION WITH ENERGY

SpectionNZ Technologies

ZERO EMISSIONS Limited
Keeping Kiwi Air Clean

ASTARA TECHNOLOGIES

anode

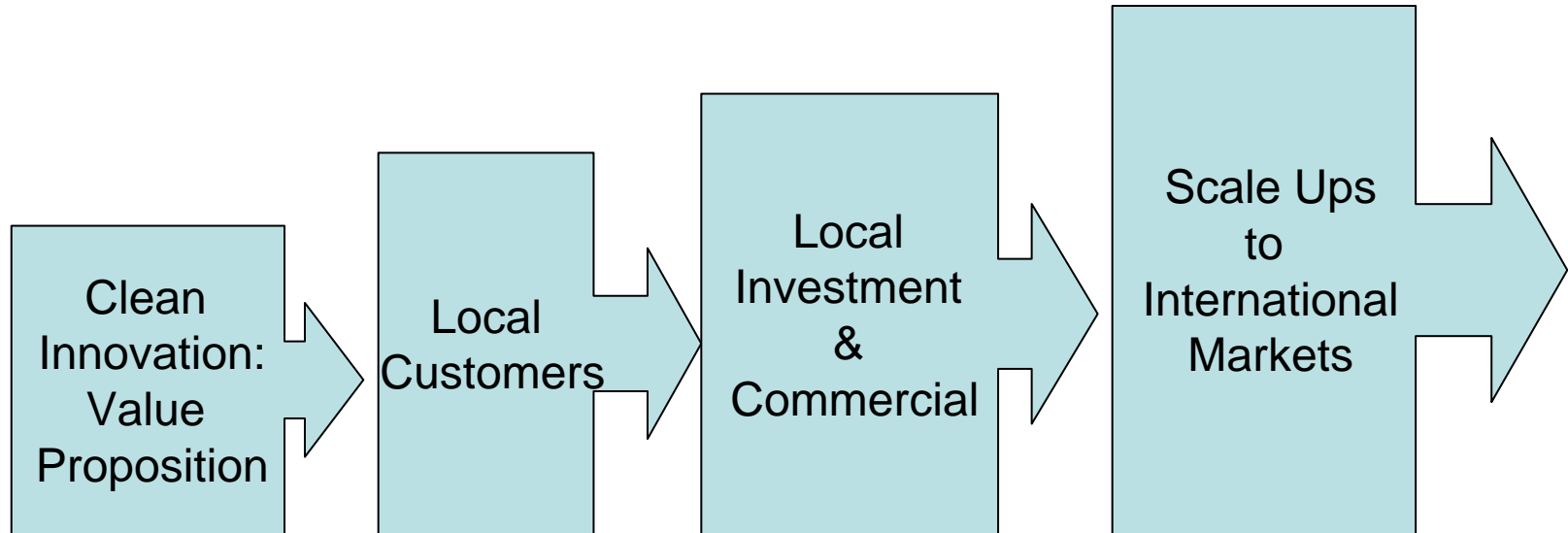
enviro paints
for a brighter future

Existing National & Regional Paint, Plastics and Waste Recycling Industry

Pacific Plastic Recyclers
"We're Helping to Save the Environment"

ViewBuild

Accelerating Current Activity 2: Commercialisation



Next Steps

By April 2010:

- 1. Regional IP audit coheres capability**
- 2. CTCNZ Incubation & Foundation Partners Secured**
- 3. Clean Tech Research and Commercial Partners Secured**
- 4. Transport, Smart and Off Grid Demonstrations Well Underway**
- 5. Marine Foundation Partners Secured**
- 6. 'Investment Ready' Pipeline Building**
- 7. Paths to International Markets Identified**



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www.growwellington.co.nz

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